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ARTO	FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE									ATTY. DOCKET NO. SERIAL NO. 1-1-0064.5US 10/757,222				
	U.S. I PATE									APPLICANT Kaewell Jr. et al.				
	S	TAT	ΈМΙ	ENT	BY A	SCLC SPPL	ICAN	IT.		FILING DATE January 14, 2004		GROUP Not Yet Known		
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EXAMINER	<u> </u>	Γ							U.S. PATEN	DOCUMENTS	1	<u> </u>	FILING DATE IF	
INITIAL		-	Γ_	I	_	NUMBE	T	Ι.	DATE	NAME	CLASS	SUBCLASS	APPROPRIATE	
	AA*	3	9	7	8	2	9	2	8/76	Hill et al.	<u> </u>			
	AB*	4	1	3	0	7	3	1	12/78	D.R. Bolgiano et al.	 			
	AC*	4	2	3	9	9	4	1	12/80	Gauthier et al.		<u> </u>		
	AD*	4	2	7	2	6	5	0	6/81	D.R. Bolgiano et al.		_		
	AE*	4	2	7	3	9	6	4	6/16/81	Szpindel				
	AF*	4	3	6	5	1	1	6	12/82	Pira et al.			 -	
	AG*	4	4	3	6	9	6	0	3/84	Harmon, Jr.				
_	AH*	4	4	7	7	6	9	7	10/16/84	Judd et al.				
	Al*	4	5	0	9	1	9	9	4/85	M. Ichihara				
	AJ*	4	5	7	7	3	1	5	3/86	S. Otsuka				
	AK*	4	5	8	4	5	7	6	4/22/86	Forestier et al.				
	AL*	4	6	3	1	3	6	1	12/86	Miller				
	AM*	4	6	7	5	8	6	3	6/87	E. Paneth et al.				
	AN*	4	7	1	3	8	0	9	12/87	Y. Mizota				
	AO*	4	7	3	1	8	1	4	3/15/88	Becker et al.			-	
	AP*	4	7	7	7	6	3	3	10/88	T.E. Fletcher et al.				
	AQ*	4	7	9	4	6	4	9	12/88	Fujiwara				
	AR*	4	8	6	6	7	6	6	12/89	Mitzlaff				
	AS*	4	9	2	4	5	1	1	5/90	Burns et al.		<u> </u>	-	
	AT*	4	9	6	2	5	2	7	10/9/90	Burns et al.				
*	AU*	4	9	6	4	1	2	1	10/16/90	Moore				
_	———— AV*	5	0	0	8	9	0	0	4/91	D.N. Critchlow et al.				

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					PTO-					ATTY. DOCKET NO. SERIAL NO. 1-1-0064.5US 10/757,222				
	U.S. I Pate									APPLICANT Kaewell Jr. et al.				
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INITIAL	AW*	5	<u>ر</u>		IMENT	т_	ī	Г	DATE	NAME NAME	CLASS	SUBCLASS	APPR	OPRIATE
		⊢	1	5	0	3	6	1	9/92	Wieczorek et al.	<u> </u>			
	AX*	5	1	9	3	2	1	1	3/93	H. Nobusawa	 -			
	AY*	5	1	9	3	2	1	2	3/93	J. Son	<u> </u>			
	AZ*	5	2	0	3	0	2	0	4/93	H. Sato et al.				
	BA*	5	2	4	1	5	4	2	8/93	Natarajan et al.				
	BB*	5	2	7	8	8	3	1	1/94	Mabay et al.			_	
	BC*	5	2	8	0	6	4	4	1/94	Vannatta et al.				
	BD*	5	3	7	1	7	3	4	12/94	Fischer				
	BE*	5	3	9	2	2	8	7	2/95	Tiedemann Jr., et al.				
	BF*	5	5	9	4	7	3	7	1/97	Pillekamp				
	BG*	5	6	6	6	3	5	5	9/97	Huah et al.				
								FC	REIGN PATE	ENT DOCUMENTS				
													TRAN	SLATION
			_	DOCU	MENT			<u> </u>	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	BH*	6	2	7	2	2	3	8	1987	Japan		<u> </u>		
-	Bl*	0	3	5	8	1	6	6	3/14/90	EPO		ļ		
	BJ*	4	3	1	5	3	2	0	1992	Japan				
	BK*	4	2	7	8	7	5	7	1992	Japan				
	BL*	5	3	1	6	0	5	9	1993	Japan				
	BM*	6	9	7	9	9	3		1994	Japan				
	BN*	w	0	94	10	8	1	2	5/11/94	PCT				
	BO*	7	2	0	2	7	8	9	1995	Japan				
	BP*	8	1	9	0	4	1		1996	Japan				

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		FOI	RM F	-OT	1449)			ATTY. DOCKET NO. SERIAL NO. 1-1-0064.5US 10/757,222				:	
							-		APPLICANT Kaewell Jr. et al.					
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	Г	-						U.S. PATENT	DOCUMENTS	Ī				
		_	DOCU	MENT	NUMBE	R	\sqcup	DATE	NAME	CLASS	SUBCLASS		DATE IF OPRIATE	
	3	9	1	6	1	1	0	10/1975	Lee et al.					
BR*	4	3	1	7	9	6	3	3/1982	Chea Jr.					
BS*	4	8	7	0	6	9	8	9/1989	Katsuyama et al.					
BT*	4	4	3	6	9	6	0	3/1984	Harmon Jr.					
BU*	4	4	7	7	6	9	7	10/1984	Judd et al.					
BV*	4	7	3	1	8	1	4	3/1988	Becker et al.					
BW*	5	2	8	7	5	5	5	2/1994	Wilson et al.					
BX*	5	5	9	4	7	3	7	1/1997	Pillekamp					
							FC	REIGN PATE	ENT DOCUMENTS					
												TRANS	SLATION	
•	H		DOCU	MENT	NUMBE	R T		DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
	58	80	7	9	2	3	Α	5/1983	Japan					
BZ*	02	28	0	6	3	6	Α	11/1990	Japan					
CA*	0	4	5	2	8	7	7	10/91	Europe					
CB*	0	4	. 9	4	4	5	9	7/92	Europe					
CC*	9	3	0	6	6	8	2	4/93	PCT					
			OTH	IER I	DOC	UME	 NTS	(Including Au	uthor, Title, Date, Pertinent Page	es, Etc.)				
CD*	The state of the s													
CE*	Multiple-Line-Subscriber Quad-Line-Module (QLM) Schematic, Nexus Applied Research, Inc., 11/5/93													
CF*		D.N	Л. Ве	aupr	re, "F						onal Confe	rence	on	
		D.N	1. Be	aupr	e et a						51, 6th Inte	 ernatic	nal	
CG*	_													
	PATE IN ST (Us BQ* BR* BS* BT* BU* BW* BX* CA* CA* CC* CC*	PATENT (Use se start (Use se se start (Use se s	U.S. DEPART PATENT AND INFORMA STATEME (Use several se	U.S. DEPARTMENT AND TRA INFORMATION STATEMENT I (Use several she BQ* 3 9 1 BR* 4 3 1 BS* 4 8 7 BT* 4 4 3 BU* 4 7 3 BW* 5 2 8 BX* 5 5 9 BX* 5 5 9 DXX 5 5 9 CX 7 CX 9 3 0 CX 9 3 0 CX 10 4 9 CC 9 3 0 CT CC 10 Multiple CC 10	U.S. DEPARTMENT OF PATENT AND TRADER INFORMATION DIS STATEMENT BY A (Use several sheets) BQ* 3 9 1 6 8 7 0 BR* 4 8 7 0 BT* 4 4 3 6 BU* 4 7 7 8 1 BW* 5 2 8 7 BX* 5 5 9 4 4 6 CA* 0 4 5 2 CB* 0 4 9 4 CC* 9 3 0 6 CA* CC* 9 3 0 6 CA* CC* 9 3 0 6 CA* CC* CC* CC* CC* CC* CC* CC* CC* CC*	U.S. DEPARTMENT OF COPATENT AND TRADEMARI INFORMATION DISCLO STATEMENT BY APPLIA (Use several sheets if necessory BQ* 3 9 1 6 1 BR* 4 3 1 7 9 BS* 4 8 7 0 6 BT* 4 4 3 6 9 BU* 4 4 7 7 6 BV* 4 7 3 1 8 BW* 5 2 8 7 5 BX* 5 5 9 4 7 DOCUMENT NUMBER BY* 58 08 7 9 2 BZ* 02 28 0 6 3 CA* 0 4 5 2 8 CB* 0 4 9 4 4 CC* 9 3 0 6 6 OTHER DOCUMENT COMBER CF* Multiple-Line-Sub D.M. Beaupre, "F	PATENT AND TRADEMARK OF STATEMENT BY APPLICANGE	U.S. DEPARTMENT OF COMMERCE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) BQ* 3 9 1 6 1 1 0 BR* 4 3 1 7 9 6 3 BS* 4 8 7 0 6 9 8 BT* 4 4 3 6 9 6 0 BU* 4 4 7 7 6 9 7 BV* 4 7 3 1 8 1 4 BW* 5 2 8 7 5 5 5 BX* 5 5 9 4 7 3 7 BY* 58 08 7 9 2 3 A BZ* 02 28 0 6 3 6 A CA* 0 4 5 2 8 7 7 CB* 0 4 9 4 4 5 9 CC* 9 3 0 6 6 8 2 OTHER DOCUMENTS CD* CE* Multiple-Line-Subscriber Q D.M. Beaupre, "Five Years Comment of the component of the comp	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) U.S. PATENT BQ* 3 9 1 6 1 1 0 10/1975 BR* 4 3 1 7 9 6 3 3/1982 BS* 4 8 7 0 6 9 8 9/1989 BT* 4 4 3 6 9 6 0 3/1984 BU* 4 4 7 7 6 9 7 10/1984 BV* 4 7 3 1 8 1 4 3/1988 BW* 5 2 8 7 5 5 5 2/1994 BX* 5 5 9 4 7 3 7 1/1997 FOREIGN PATE BY* 58 08 7 9 2 3 A 5/1983 BZ* 02 28 0 6 3 6 A 11/1990 CA* 0 4 5 2 8 7 7 10/91 CB* 0 4 9 4 4 5 9 7/92 CC* 9 3 0 6 6 8 2 4/93 OTHER DOCUMENTS (Including Automatical Suppose of Line-Model CD* CE* Multiple-Line-Subscriber Quad-Line-Model CD* CE* Multiple-Line-Subscriber Quad-Line-Model CD* D.M. Beaupre, "Five Years of IDMA Subcommunications in	I-1-0064.5US I-1-0064.5US APPLICANT APPLICANT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT U.S. PATENT DOCUMENTS	I-1-0064.5US I-1-0064.5US I-1-0064.5US APPLICANT Kaewell Jr. et al.	I-1-0064-5US 10/757,2 APPLICANT Kaewell Jr. et al.	Indicate	

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			FO	RM F	·TO-	1449)			ATTY. DOCKET NO.		SERIAL N	NO.	4 of 4	
	U.S. 1)FP	ART	MFN	JT O	F CC	MM	FRC	F	I-1-0064.5US 10/757,222					
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	CH*	4	4	7	7	6	9	7	10/1984	Judd et al.					
	CI*	4	5	8	4	5	7	6	4/1986	Forestier et al.					
	CJ*	4	8	4	1	5	6	5	6/1989	Siligoni et al.					
	CK*	4	9	4	2	6	0	0	07/1990	Kaisha					
	CL*	5	0	0	1	7	4	8	3/1991	Burns et al.					
	CM*	5	1	4	0	6	9	8	8/1992	Toko					
	CN⁺	5	3	0	3	4	2	0	4/1994	Jang					
	CO*	5	3	2	3	4	5	6	6/1994	Oprea					
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	CP*	0	3	5	8	1	6	6	3/1990	EP	1 0000	3050233	TES	NO	
	CQ⁺	9	4	1	0	8	1	2	05/1994	PCT	1				
	CR*	9	4	1	0	8	1	2	5/1994	WO					
	CS*	7	3	2	1	6	9	4	1995	Japan	 				
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